

#2045 Store at -20C

XIAP (3B6) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H Mk	Endogenous	53	Rabbit IgG	#P98170	331

Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	XIAP (3B6) Rabbit mAb detects endogenous levels of XIAP. No cross reactivity was observed with other IAP family members.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to a region surrounding serine 245 of human XIAP.	
Background	The inhibitor of apoptosis protein (IAP) family consists of an evolutionarily conserved group of apoptosis inhibitors containing a conserved 70 amino acid BIR (baculovirus inhibitor repeat) domain (1,2). Human members of this family include c-IAP1, c-IAP2, XIAP, survivin, livin, and NAIP. Overexpression of IAP family members, particularly survivin and livin, in cancer cell lines and primary tumors suggests an important role for these proteins in cancer progression (3-5). In general, the IAP proteins function through direct interactions to inhibit the activity of several caspases, including caspase-3, caspase-7, and caspase-9 (5,6). In addition, binding of IAP family members to the mitochondrial protein Smac blocks their interaction with caspase-9, thereby allowing the processing and activation of the caspase (2).	
Background References	<ol style="list-style-type: none"> 1. Deveraux, Q.L. and Reed, J.C. (1999) <i>Genes Dev</i> 13, 239-52. 2. Deveraux, Q.L. et al. (1998) <i>EMBO J</i> 17, 2215-23. 3. Altieri, D.C. et al. (1999) <i>Lab Invest</i> 79, 1327-33. 4. Tamm, I. et al. (2000) <i>Clin Cancer Res</i> 6, 1796-803. 5. Kasof, G.M. and Gomes, B.C. (2001) <i>J Biol Chem</i> 276, 3238-46. 6. Deveraux, Q.L. et al. (1997) <i>Nature</i> 388, 300-4. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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